| •                          | Index of Claims             |          |            |                     |          |          |          |           |              |                   |          |      |              | Application/Control No. |                |       |                     |           |          |              |          |               | Applicant(s)/Patent under |           |           |           |           |   |         |          |          |   |     |
|----------------------------|-----------------------------|----------|------------|---------------------|----------|----------|----------|-----------|--------------|-------------------|----------|------|--------------|-------------------------|----------------|-------|---------------------|-----------|----------|--------------|----------|---------------|---------------------------|-----------|-----------|-----------|-----------|---|---------|----------|----------|---|-----|
| • .                        |                             |          |            |                     |          |          |          |           |              |                   |          | L    | (SP) 1959125 |                         |                |       |                     |           |          |              |          | Reexamination |                           |           |           |           |           |   |         |          |          |   |     |
| •                          |                             |          |            |                     |          |          |          |           |              |                   |          | F    | <u> </u>     |                         |                |       |                     |           |          |              |          |               |                           |           |           |           |           |   |         |          |          |   |     |
|                            |                             |          |            |                     |          |          |          |           |              |                   |          | ı    | Examiner     |                         |                |       |                     |           |          |              | Art Unit |               |                           |           |           |           | 1         |   |         |          |          |   |     |
|                            |                             | TUELL    | ııuı       | n em                | at titl  | T1 151   | 1111111  | III W     | iai W        |                   | un       |      | _            |                         | $\perp$        | _     |                     |           |          |              |          |               |                           |           |           |           |           |   |         |          |          |   |     |
| _                          |                             |          | _          | _                   |          | _        | _        |           |              |                   |          |      |              |                         | _              |       | _                   | _         | _        |              |          |               |                           |           |           |           |           | _ |         |          |          |   |     |
| <b>&gt;</b>                | V Rejected _ (Through numer |          |            |                     |          |          |          |           |              |                   |          | eral | I)           | ı                       |                | N     | nn_F                | lected    |          |              |          | Appeal        |                           |           |           |           | 7         |   |         |          |          |   |     |
| 为                          | Cancelled                   |          |            |                     |          |          |          |           |              |                   |          | 1    | N            |                         |                |       | **                  |           | A        |              |          |               |                           |           | ╛         |           |           | ļ |         |          |          |   |     |
| $\mathbf{X}$               | = Allowed + Restricted      |          |            |                     |          |          |          |           |              |                   |          | l    |              | Interfere               |                | ren   | 100                 |           | 0        | ı            | O        | ojec          | cher                      | đ         |           |           |           | • |         |          |          |   |     |
| <b>BEST AVAILABLE COPY</b> |                             |          |            |                     |          |          |          |           | L            |                   |          |      |              |                         |                |       | j                   | Ц         |          |              |          |               |                           | Ĺ         | <u> </u>  |           |           |   |         | ┛        |          |   |     |
| ų                          | Ctaim Date                  |          |            |                     |          |          | _        |           | Claim        |                   |          |      | _            | _                       | Oat            | ite   |                     |           | )        | Ct           | Claim    |               |                           | Date      |           |           |           |   |         | 1        |          |   |     |
| ळ                          | =                           |          |            |                     |          | 1        |          |           | 1            | .                 |          | ਙੈ   |              |                         |                | Π     |                     | T         | Т        | 1            |          | 9             |                           |           |           |           |           | T | Т       |          |          |   |     |
| K                          | Final                       | griomai  | l          |                     |          |          |          | 1         | ı            |                   | ig       |      | Original     | -                       | ۱              | 1     | ł                   |           | 1        |              |          | Final         | Original                  |           | H         |           |           | 1 | 1       | 1        | l        |   |     |
| =                          | <u> </u>                    | <b>(</b> | <b>\</b> _ |                     | $\sqcup$ | 4        | 4        | 4         | 1            | $\bot$            |          |      | _1           | 1                       | ┸              | ┸     | L                   | Ц         | _        | ┸            |          |               |                           |           |           |           |           |   |         |          |          |   |     |
| $ \mathbf{X} $             |                             | 2        | }-         | Н                   | -        | $\dashv$ | -+       | +         | ╬            | +                 | l ├─     |      | 51<br>52     | ┽                       | ┿              | ╫     | ⊢                   | Н         | +        | +            |          |               | 101<br>102                | Н         | Н         | $\exists$ | 7         | 4 | 4       | Ŧ        |          |   | i   |
| 3                          |                             | 3        |            | 口                   |          | ╛        |          |           | 土            | 工                 |          |      | 53           | 土                       | İ              |       | L                   |           | 士        |              | 1 1      |               | 103                       | Н         | H         | +         | ╅         | + | ╅       | ╁        | ┢        |   |     |
| . —                        |                             | 5.       | ┡          | Н                   | $\dashv$ | $\dashv$ | $\dashv$ | +         | +            | +-                |          |      | 54<br>55     | +                       | +              | ╀     | Н                   | Н         | 4        | $\mathbf{I}$ | 11       |               | 104                       |           | $\Box$    | $\exists$ | 1         | # | #       | 1        |          |   |     |
| 22                         |                             | Ď        |            |                     |          | 1        | 士        | 1         | $^{\dagger}$ | 1                 |          |      | 56           | +                       | $^{\dagger}$   | 十     | Н                   | Н         | $\dashv$ | +            | 11       |               | 105                       | Н         | $\dashv$  | ┪         | +         | ┿ | ┿       | +-       | ┝        |   |     |
| ŭ                          |                             | 1        |            | П                   | $\dashv$ | $\dashv$ | $\dashv$ | Ŧ         | Ţ            | $\Box$            |          |      | 57           | Ţ                       | Ŧ              | T     |                     |           | 7        | 口            |          |               | 107                       |           | $\Box$    | ゴ         | 1         | # | 1       | 土        |          |   |     |
|                            | $\vdash$                    |          | -          | H                   | +        | ┪        | $\dashv$ | ╅         | +            | +                 | ├        |      | 58<br>59     | ┿                       | ╁              | ╁     | Н                   | Н         | +        | +            | H        |               | 108                       | Н         | $\dashv$  | +         | +         | 4 | $\perp$ | +        |          |   |     |
|                            |                             | 1        |            |                     | コ        | $\Box$   | #        | 1         | 1            |                   |          | Ī    | 30           | $\perp$                 | 土              | 上     | Ħ                   |           | 士        |              | ll       | -             | 110                       |           | $\exists$ | _         | $\pm$     | + | +       | ╈        | $\vdash$ |   |     |
|                            | Н                           | -        | ┝          | Н                   | $\dashv$ | -        | +        | +         | +            | ╂┤                | <u> </u> |      | 51<br>52     | +                       | ╀              | ╀     | Н                   | Н         | 4        | $\Box$       |          |               | 111                       | П         | $\Box$    | 7         | 7         | Ŧ | 1       | 1        |          |   |     |
|                            |                             | i        |            | Ħ                   | 1        | 士        | 土        | $\pm$     | 土            |                   |          |      | 3            | 士                       | 士              | $\pm$ | Н                   | 1         | ╁        | +            |          | $\dashv$      | 112                       | H         | +         | +         | ┿         | + | ┿       | ╁        | Н        |   |     |
|                            |                             | *        | T          | $\Box$              | 4        | 4        | $\dashv$ | 4         | Ŧ            | $\Box$            |          |      | 4            | T                       | Į              | I     |                     | $\Box$    | 1        | П            |          |               | 114                       |           | コ         | ユ         | 土         | İ | 1       | 1        |          |   |     |
|                            | 4                           | 16       | Н          | ⊣                   | $\dashv$ | ╌┼       | +        | +         | ╁            | Н                 | -        |      | 5<br>6       | +                       | ╀              | ╀     | Н                   | $\dashv$  | +        | +            | -        |               | 115<br>116                | 4         | +         | 4         | Ŧ         | 7 | $\bot$  | $\bot$   | П        | I |     |
|                            |                             | 17       |            |                     |          | I        |          | 1         | 工            |                   |          | I    | 7            | 士                       | İ              | T     |                     |           | 1        |              | lt       |               | 117                       | ۲         | 十         | 十         | +         | + | +       | ╁╴       | Н        | ı |     |
|                            | $\vdash \vdash$             | 18       | Н          | $\sqcup$            | +        | 4        | -        | +         | +            | +                 |          |      | 8 9          | $\bot$                  | F              | F     | Н                   | $\exists$ | 7        | $\Box$       | [        |               | 118                       | $\Box$    | $\exists$ | 7         | 1         | 1 | I       | 工        |          |   | ŀ   |
| •                          |                             | 20       | Н          | $\dashv$            | +        | +        | 十        | $\dagger$ | ╁            | $\dagger \dagger$ | $\vdash$ |      | 0            | ╅                       | 十              | ╁     | Н                   | ┪         | ╁        | +            | ŀ        |               | 119                       | $\dashv$  | +         | +         | ╁         | + | ╁       | ╀        | Н        |   | J   |
|                            |                             | 21       |            | $\dashv$            | $\Box$   | 7        | 7        | Ţ         | 1            |                   |          |      | 1            |                         | I              |       | П                   | $\exists$ | 1        | 口            |          |               | 121                       |           | コ         | 士         | 土         | İ | 土       | t        | Ц        |   |     |
|                            | $\vdash$                    | ಜ        | Н          | $\dashv$            | +        | +        | ╅        | ╁         | ╫            | +                 | ┢        |      | 3            | ╫                       | ╀              | ╀     | Н                   | ┥         | +        | ╫            | ŀ        |               | 122<br>123                | 4         | +         | +         | 4         | + | +       | $\perp$  | Н        |   |     |
|                            |                             | 24       |            | $\Box$              | 二        | コ        | 1        | I         | 工            | 口                 |          | 7    | 4            | 工                       | İ              | 上     |                     | 士         | 土        | 廿            | Ł        |               | 124                       | _         | 1         | +         | +         | 十 | +       | ╁        | Н        |   | - 1 |
|                            | ┝╾┥                         | 25<br>26 | Н          | $\dashv$            | +        | +        | +        | ╀         | ╁            | H                 | $\vdash$ |      | 5            | +                       | ╀              | ╀     | Н                   | 4         | +        | 44           | F        | $\neg$        | 125<br>126                | $\exists$ | 7         | 4         | Ŧ         | Ŧ | Ţ       | L        |          | • |     |
|                            |                             | 27       |            |                     | 士        | 1        | 士        | t         | Ť            | 廿                 |          |      | 7            | 士                       | t              | T     | H                   | 7         | ╅        | +1           | ŀ        |               | 127                       | ┪         | ╅         | ╅         | ╁         | ┿ | +       | ╁        | Н        |   | l   |
|                            | $\vdash \vdash$             | 28<br>29 |            | $\dashv$            | 4        | $\mp$    | $\mp$    | Ŧ         | Ŧ            | $\Box$            |          |      | 8            | T                       | F              | F     | П                   | 7         | 7        | $\Box$       | Ī        |               | 128                       | #         | コ         | 7         | #         | Ŧ | 1       | T        | 口        |   |     |
|                            |                             | 30       | $\exists$  | +                   | +        | +        | +        | +         | +            | +                 | $\vdash$ |      | 9            | +                       | 十              | ╁╴    | Н                   | $\dashv$  | +        | +1           | ŀ        |               | 129                       | +         | +         | +         | +         | ╀ | ╀       | ╀        | Н        |   |     |
|                            |                             | 31       |            | コ                   | 7        | 7        | 7        | #         | T            | 口                 |          | E    | 1            | 1                       | Γ              |       | 口                   | コ         | #        | 口            |          |               | 131                       | コ         | 士         | 士         | 1         | 土 | 士       |          | 口        |   |     |
|                            | $\vdash$                    | 32<br>33 | -          | +                   | +        | +        | ╁        | ╁         | ┿            | H                 | $\vdash$ |      | 2            | +                       | ╀              | ╁╾    | $\dashv$            | +         | ╀        | +-           | ŀ        |               | 132                       | 4         | 4         | 4         | +         | + | +       | L        | Ц        |   |     |
|                            |                             | 34       |            | $\rightrightarrows$ | 士        | 士        | 土        | 土         | İ            | 口                 |          | 8    | 4            | 土                       |                |       | I                   | 士         | 1        | 廿            | t        |               | 134                       | 1         | $\pm$     | $\pm$     | +         | 十 | +       | +        | Н        |   | -   |
|                            | $\square$                   | 35<br>36 | 4          | 4                   | +        | 4        | -        | +         | $\bot$       | Н                 | <u> </u> |      | 5<br>6       | 4                       | ╀              | H     | $\dashv$            | 4         | 4        | $\Box$       | Į        |               | 135                       | 1         | 7         | 1         | Ţ         | I | I       |          | 口        |   |     |
|                            |                             | 37       | $\exists$  | 士                   | 1        | $\pm$    | +        | $\dagger$ | $^{\dagger}$ | H                 |          |      | ᆉ            | +                       | ╁              | Н     | -                   | +         | +        | ╁┤           | ŀ        |               | 136<br>137                | ╅         | +         | +         | ┿         | ╄ | ╀       |          | Н        |   |     |
|                            |                             | 38       | $\Box$     | Ţ                   | 7        | Ţ        | Ţ        | T         | F            | П                 |          |      | 8            | 1                       | Γ              |       |                     | 1         | T        | 口            | ļ        |               | 138                       | コ         | 1         | 士         | İ         | 上 | 工       |          | 口        |   | İ   |
|                            | $\dashv$                    | 39<br>40 | $\dashv$   | $\dashv$            | ╁        | +        | ╁        | ╀         | ╀            | H                 | $\vdash$ |      | 9            | ╁                       | ╀              | Н     | $\dashv$            | +         | ┿        | ╁┤           | H        |               | 139                       | +         | +         | +         | ╀         | + | +       | $\vdash$ | Н        |   |     |
|                            |                             | 41       | コ          | コ                   | 士        | 丰        | 土        | İ         | 土            | 口                 |          | 9    | 1            |                         | 上              |       |                     | 士         | 土        | 乜            | E        |               | 141                       | $\pm$     | 土         | +         | $^{+}$    | 十 | 十       |          | Н        |   | - 1 |
|                            |                             | 42<br>43 | 4          | +                   | 4        | 4        | +        | Ŧ         | +            | $\dashv$          | $\vdash$ |      | 3            | +                       | <del> </del> - | Н     | $\dashv$            | 4         | Ŧ        | 幵            | F        | $\Box$        | 142                       | 4         | 7         | Ŧ         | Ŧ         | F | T       | $\Box$   | 口        |   | -   |
|                            |                             | 44       |            | 1                   | 士        | 士        | 士        | 士         | 士            | $\Box$            |          | _    | <u></u>      | +                       | H              | H     | _+                  | +         | 士        | H            | ŀ        |               | 143                       | +         | ╁         | +         | ╀         | ╁ | +       | Н        | Н        |   |     |
| . !                        |                             | 45       | 7          | 7                   | 7        | Ţ        | Ŧ        | Ŧ         | Ţ            | П                 |          | -    | 5            | T                       | F              | 口     | $\rightrightarrows$ | 1         | 1        | 口            | þ        |               | 145                       | #         | <b>工</b>  | 士         | 丰         | I | I       | Ħ        | J        |   |     |
|                            | +                           | 46       | +          | +                   | +        | 十        | +        | ╀         | +            | ╁┥                | -        | 9    |              | +                       | ┝              | Н     | +                   | +         | +        | H            | ŀ        |               | 146<br>147                | 4         | 4         | 4         | F         | + | F       | H        | $\dashv$ |   |     |
|                            | コ                           | 48       | ゴ          | 1                   | 丰        | 土        | 士        | 士         | 上            | 口                 |          | 9    | 8            | #                       |                |       | 士                   | 士         | 1        | Ħ            | t        |               | 148                       | 士         | ╁         | 士         | $\dagger$ | t | t       | Н        | $\dashv$ |   |     |
|                            | $\dashv$                    | 49<br>50 | 4          | +                   | +        | +        | +        | +         | +            | Н                 | $\vdash$ | 9    | 9            | +                       | 1              | П     | $\dashv$            | 1         | Ŧ        | $\Box$       | F        |               | 149<br>150                | 1         | 7         | Ţ         | Ŧ         | L | F       | П        | 口        |   |     |
|                            |                             | -7       |            |                     |          | -1-      |          | ٠         |              | لـــا             |          | , ., | 1_           |                         | 1              | _     |                     |           |          | ب            | L        |               | .30                       |           |           | ـــــ     |           | _ | -       | لـــا    | ل        |   |     |
|                            |                             |          |            |                     |          |          |          |           |              |                   |          |      |              |                         |                |       |                     |           |          |              |          |               |                           |           |           |           |           |   |         |          |          |   |     |